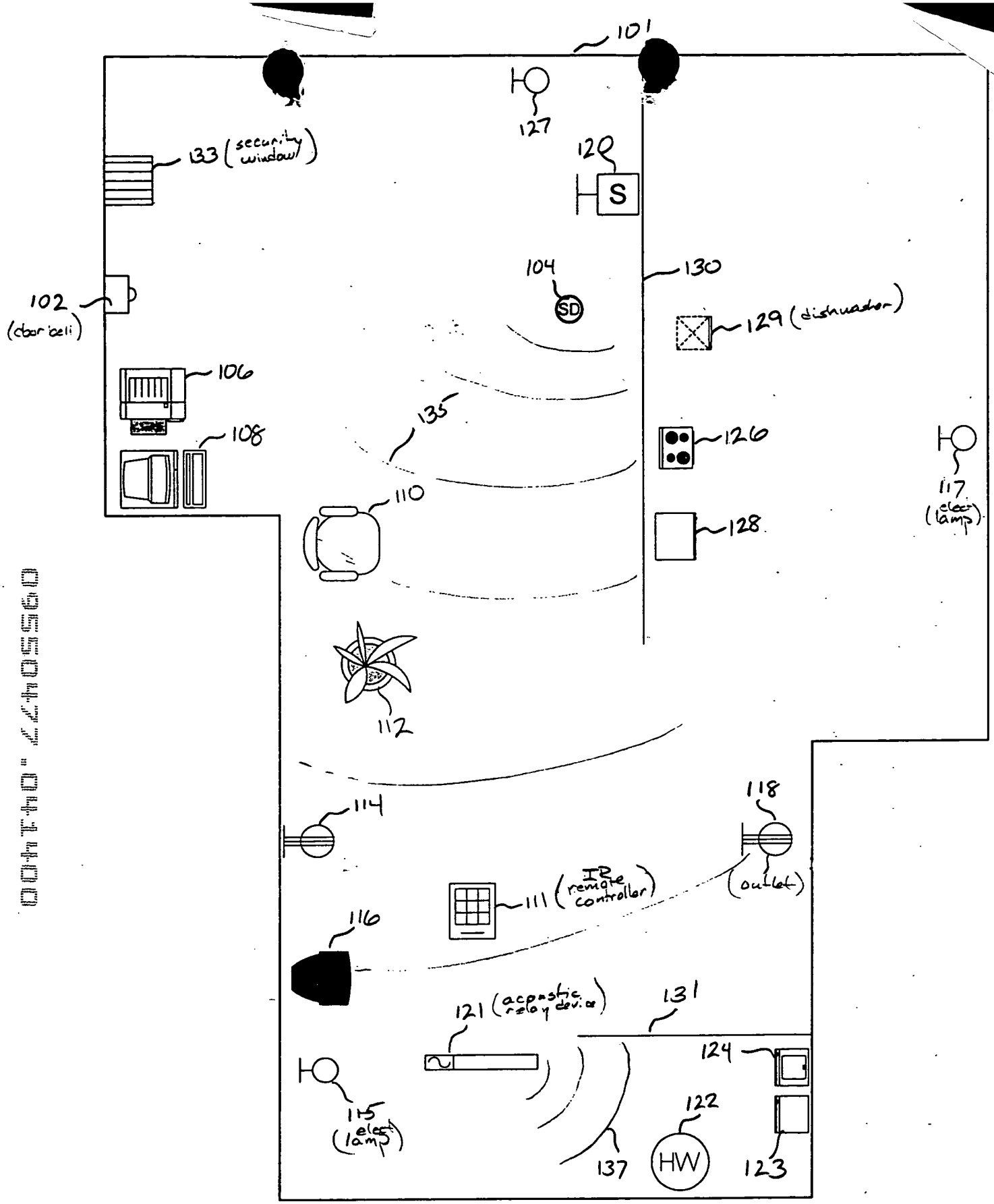
101
127
133 (security window)
120
S
104
SD
130
102 (doorbell)
129 (dishwasher)
106
108
135
126
117 (elect. lamp)
110
128
112
114
118
(outlet)
111 (IR remote controller)
116
121 (acoustic relay device)
131
124
115 (elect. lamp)
122
HW
137
123

FIG. 1

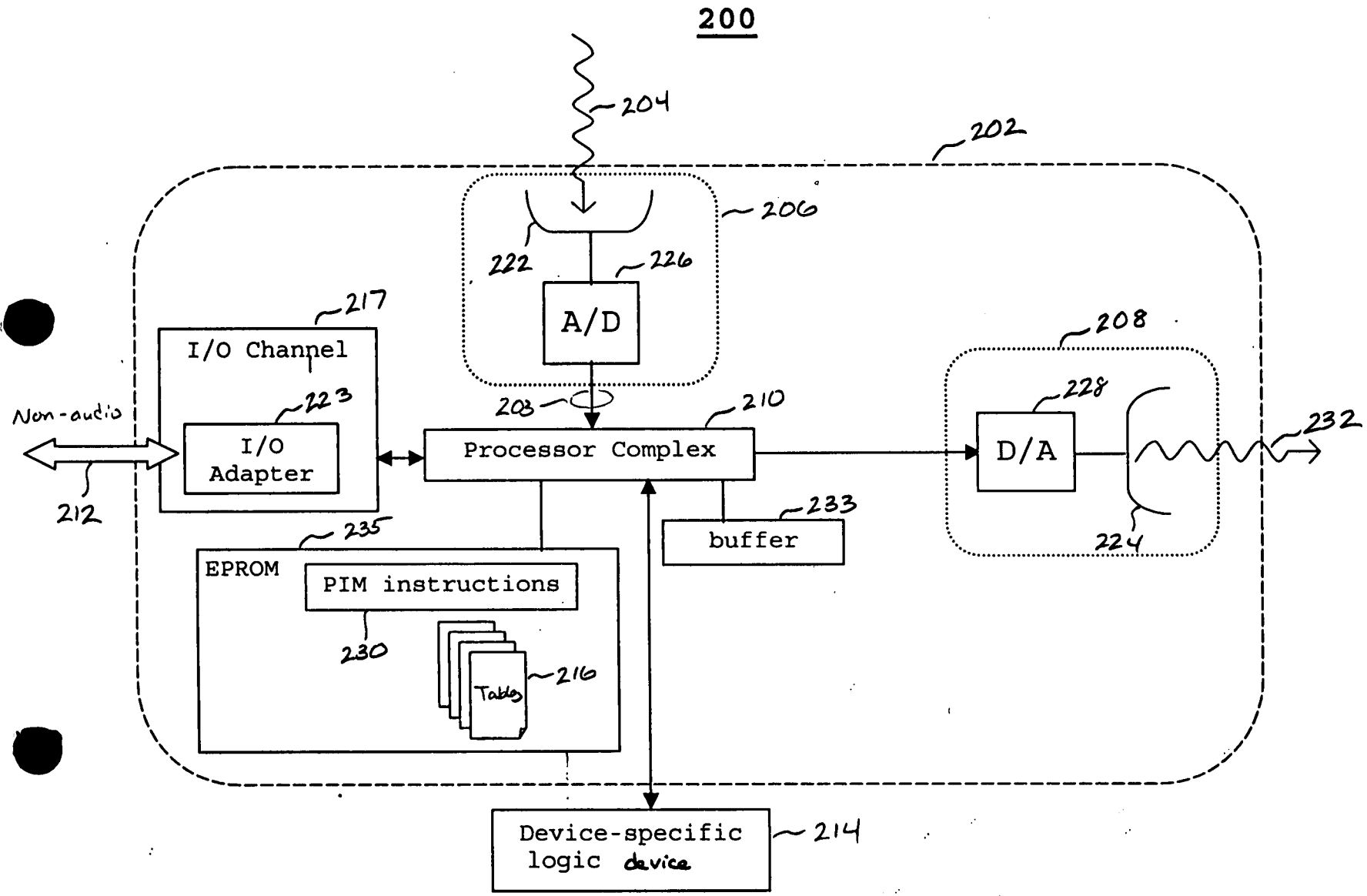

FIG. 2

09550477 .041400

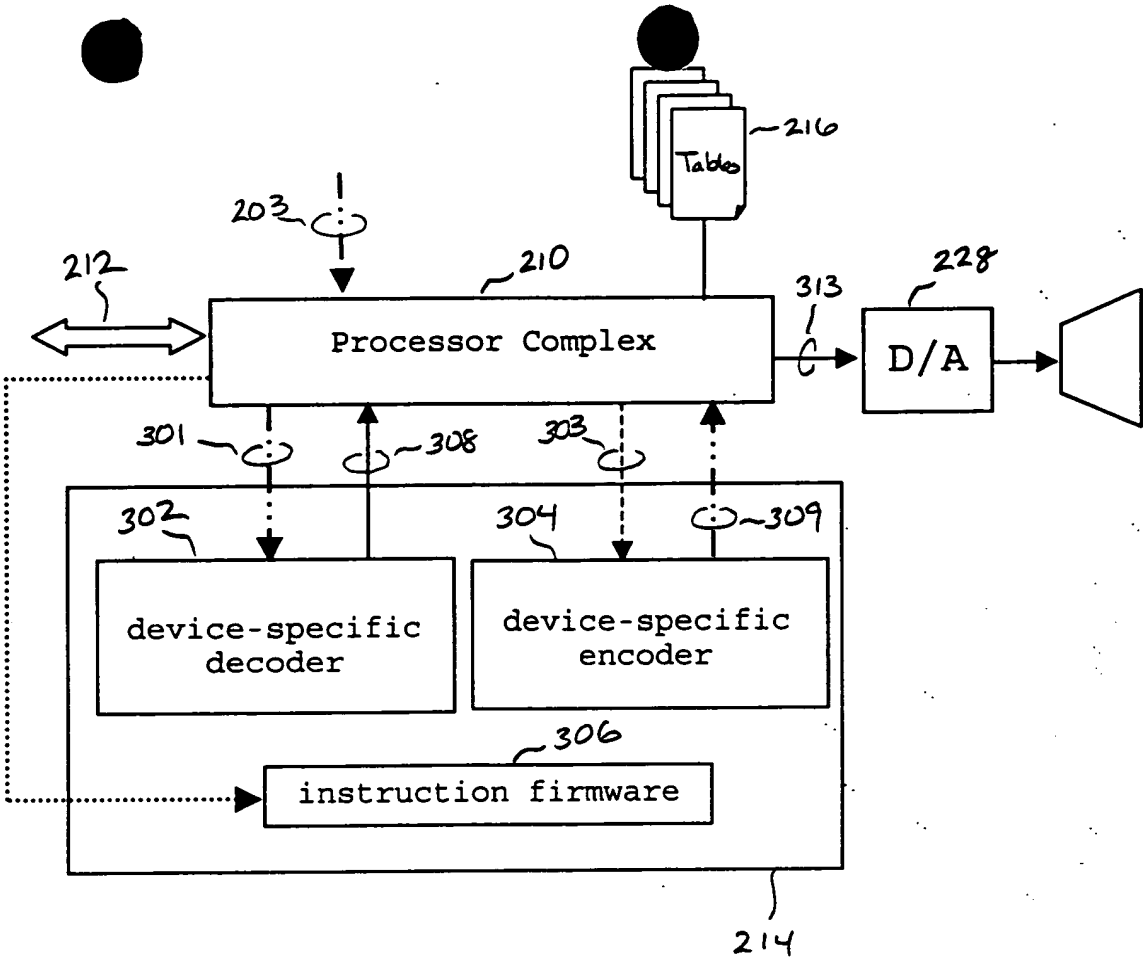
Tables
216
203
212
210
228
313
Processor Complex
D/A
301
308
303
302
304
309
device-specific decoder
device-specific encoder
306
instruction firmware
214

FIG. 3

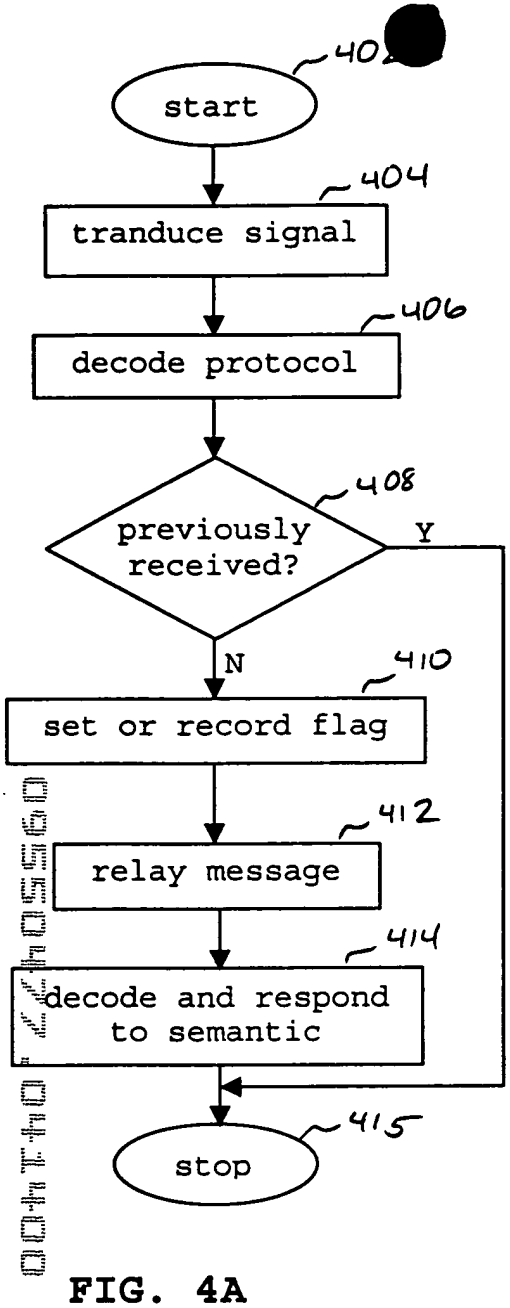
start
402
tranduce signal
404
decode protocol
406
previously received?
408
Y
N
set or record flag
410
relay message
412
decode and respond to semantic
414
stop
415

FIG. 4A

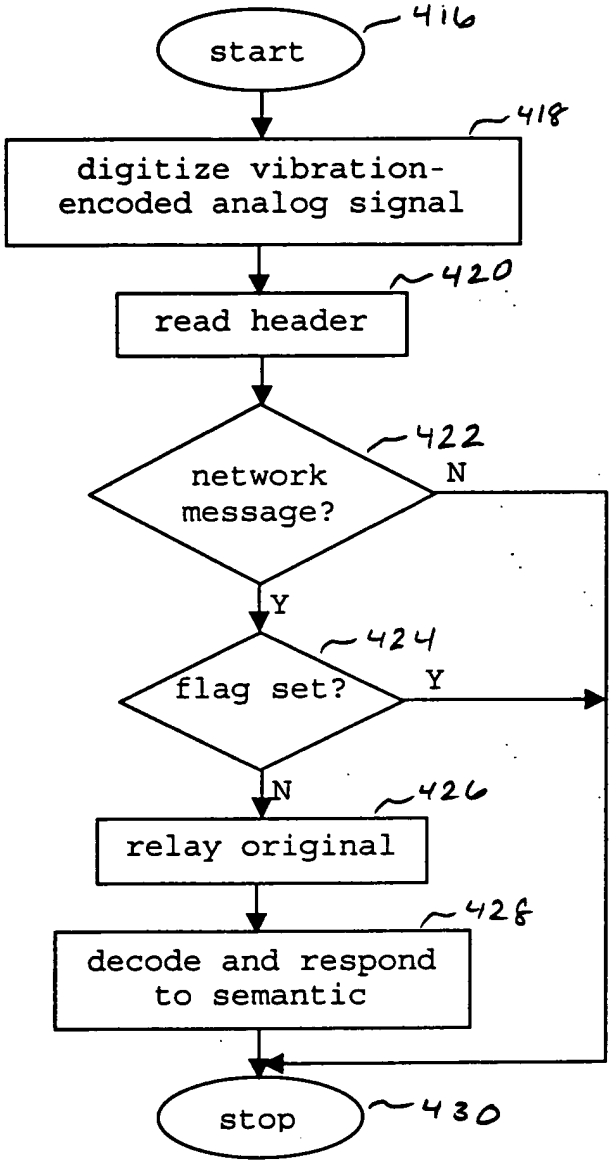
start
416
digitize vibration-encoded analog signal
418
read header
420
network message?
422
N
Y
flag set?
424
Y
N
relay original
426
decode and respond to semantic
428
stop
430

FIG. 4B

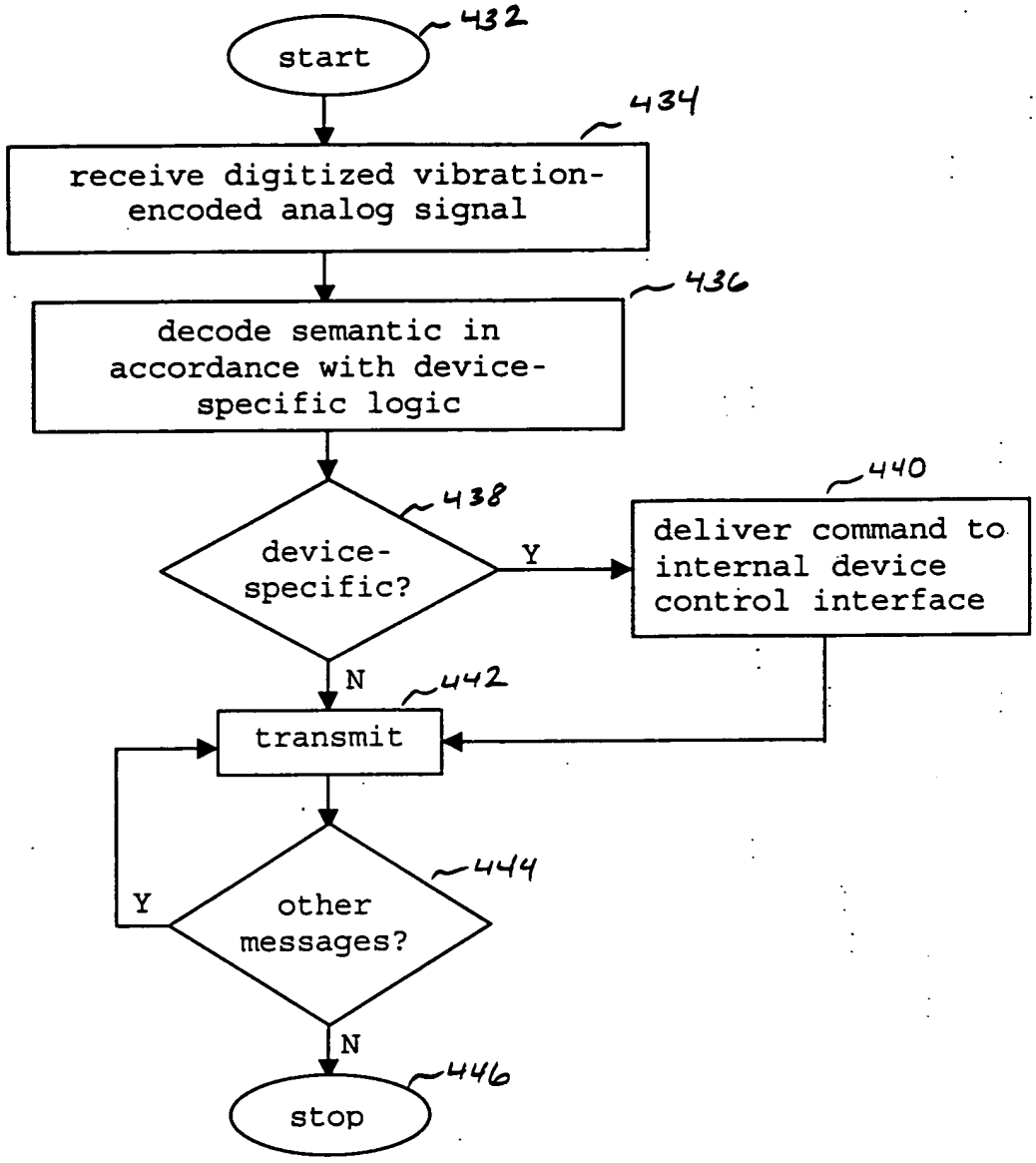
start
432
receive digitized vibration-encoded analog signal
434
decode semantic in accordance with device-specific logic
436
device-specific?
438
Y
deliver command to internal device control interface
440
N
transmit
442
other messages?
444
Y
N
stop
446

FIG. 4C